

Day :
Monday
Date:
8/23/2004



PALM INTRANET

Time:
16:06:46

Inventor Information for 10/009559

Inventor Name	City	State/Country			
SKOGVALL, STAFFAN	LUND	SWEDEN			
Appn Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign

Search Another: Application# or Patent#

PCT / / or PG PUBS #

Attorney Docket #

Bar Code #

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10/009, 559

Thomas McKenzie

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| NEWS | 3 | May 12 EXTEND option available in structure searching |
| NEWS | 4 | May 12 Polymer links for the POLYLINK command completed in REGISTRY |
| NEWS | 5 | May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| NEWS | 6 | May 27 CAplus super roles and document types searchable in REGISTRY |
| NEWS | 7 | Jun 28 Additional enzyme-catalyzed reactions added to CASREACT |
| NEWS | 8 | Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R) |
| NEWS | 9 | Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS |
| NEWS | 10 | Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting |
| NEWS | 11 | AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields |
| NEWS | 12 | AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications |
| NEWS | 13 | AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting |
| NEWS | 14 | AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available |
| NEWS | 15 | AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004 |
| NEWS EXPRESS | | JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004 |
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10/009,559

Thomas McKenzie

FILE 'HOME' ENTERED AT 17:41:56 ON 23 AUG 2004

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112885-41-3109872-41-5 141196-99-8

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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-92-6
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10/009,559

Thomas McKenzie

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9-8

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FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004
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FILE COVERS 1907 - 23 Aug 2004 VOL 141 ISS 9
 FILE LAST UPDATED: 22 Aug 2004 (20040822/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3          4 L2 AND ASTHMA
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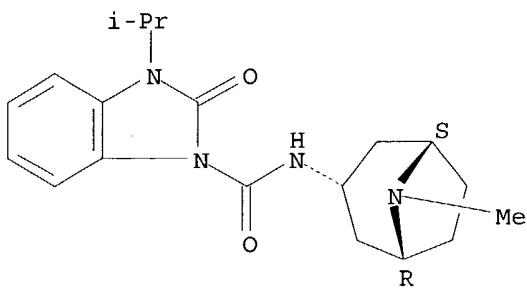
L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 2004:309877 Document No. 140:333034 Substitution variant of the 5-HT4 receptor insensitive to serotonin and the gene for it and the treatment of neurodegenerative disease. Bockaert, Joel; Claeysen, Sylvie; Dumuis Kervabon, Aline; Sebben Homburger, Michele; Joubert, Lara (Centre National de la Recherche Scientifique CNRS, Fr.). Fr. Demande FR 2845604 A1 20040416, 48 pp. (French). CODEN: FRXXBL. APPLICATION: FR 2002-12614 20021010.

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GW, ML, MR, NE, SN, TD, TG | | | | |

IT 134296-40-5, BIMU 8
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (5-HT4 receptor variants agonized by; substitution variant of 5-HT4 receptor insensitive to serotonin and gene for it and treatment of neurodegenerative disease)

RN 134296-40-5 CAPLUS
 CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

- AB A substitution variant of the 5-HT₄ serotonin receptor that is insensitive to serotonin but that can be activated by synthetic serotonin agonists is described. The gene for the receptor variant may be useful in the treatment of neurodegenerative disease associated with low levels of cAMP. The substitution in 100-aspartic acid → alanine affecting the structure of transmembrane domain III. Pharmacol. of the variant is described.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2001:691768 Document No. 135:242149 Preparation of substituted β-carbolines as IκB kinase inhibitors. Ritzeler, Olaf; Castro, Alfredo; Grenier, Louis; Soucy, Francois (Aventis Pharma Deutschland G.m.b.H., Germany). Eur. Pat. Appl. EP 1134221 A1 20010919, 47 pp.

DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW.

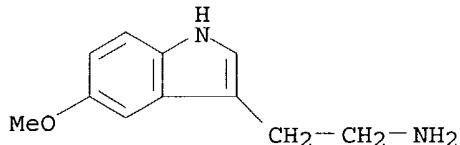
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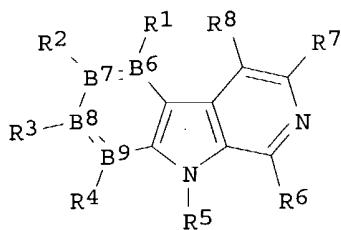
IT **608-07-1**, 5-Methoxytryptamine
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of substituted β -carbolines as I κ B kinase
 inhibitors)

RN 608-07-1 CAPLUS

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



GI



AB The title compds. [I; B6-B9 = C, N (no more than 2 N atoms at the same time); R1-R4, R8 = H, halo, OH, etc.; R5 = H, (un)substituted alkyl, etc.; R6, R7 = H, halo, OH, etc.], useful for prophylaxis and therapy of disorders in which increased activity of NF κ B is involved such as **asthma**, osteoarthritis, rheumatoid arthritis, Alzheimer's disease, carcinomatous disorders and cardiac infarct, were prepared. Thus, treating norharmane with Br2 in THF afforded 7-bromo- β -caroline which showed IC50 of 0.4 μ M against I κ B kinase.

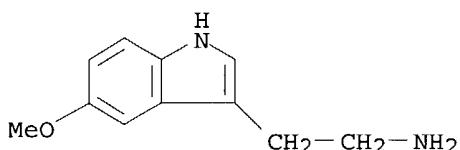
L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2000:772451 Document No. 133:329581 Serotonergic agonists and antagonists for treatment of bronchoconstriction. Skogvall, Staffan (Respiratorius AB, Swed.). PCT Int. Appl. WO 2000064441 A2 20001102, 28 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-SE819 20000428. PRIORITY: SE 1999-1531 19990428; US 1999-PV131355 19990428; SE 1999-1906 19990526; US 1999-PV136604 19990527; SE 1999-2251 19990615; SE 1999-2252 19990615; US 1999-PV139632 19990617; US 1999-PV139633 19990617.

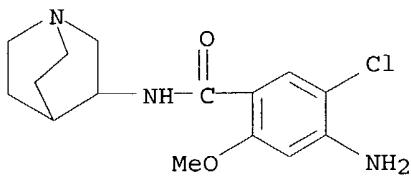
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141196-99-8, SC-53116 155106-73-3, VB 20B7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(serotonergic agonists and antagonists for treatment of bronchoconstriction-related disorders)
RN 608-07-1 CAPLUS
CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



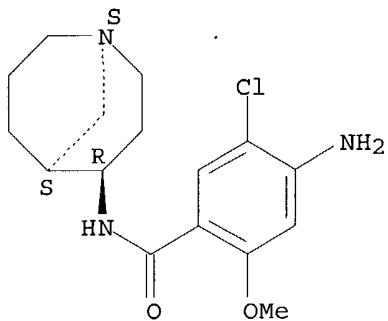
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CN Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)
(CA INDEX NAME)



RN 109872-41-5 CAPLUS

CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

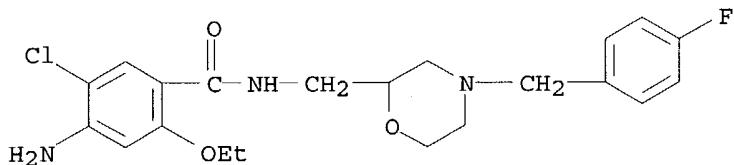
Relative stereochemistry.



● HCl

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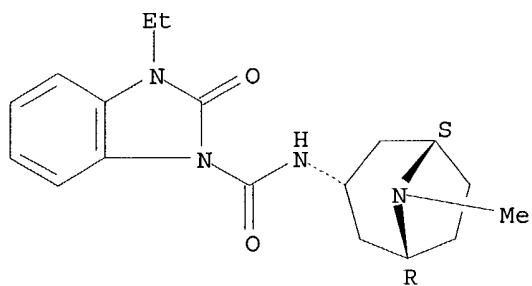
CN Benzamide, 4-amino-5-chloro-2-ethoxy-N-[(4-[(4-fluorophenyl)methyl]-2-morpholinyl)methyl]- (9CI) (CA INDEX NAME)



RN 127595-43-1 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

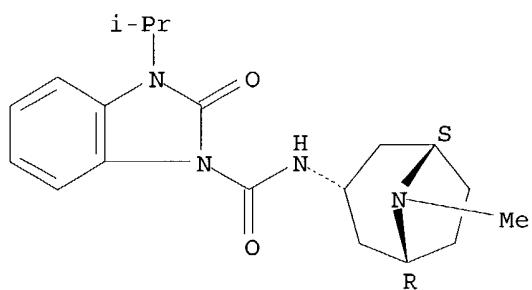


● HCl

RN 134296-40-5 CAPLUS

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Relative stereochemistry.

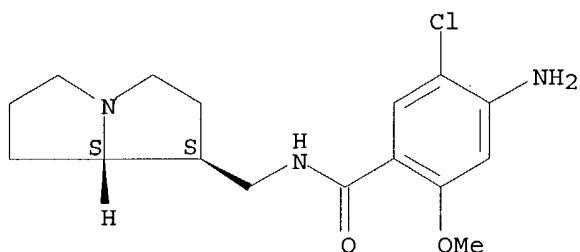


● HCl

RN 141196-99-8 CAPLUS

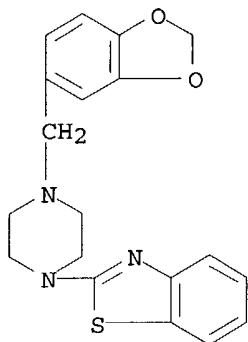
CN Benzamide, 4-amino-5-chloro-N-[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl]methyl]-2-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 155106-73-3 CAPLUS

CN Benzothiazole, 2-[4-(1,3-benzodioxol-5-ylmethyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)



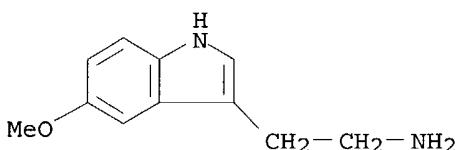
AB The present invention relates to a compound having agonist activity to the 5-HT₄ receptor or antagonist activity to the 5-HT_{2a} receptor and manufacture of a medicament for prophylactic or therapeutic treatment of disorders involving bronchoconstriction of a human or animal, such as **asthma**, emphysema, chronic bronchitis, chronic obstructive pulmonary disease, depression, anorectic or bulimic eating disorders, anxiety or various psychotic conditions including schizophrenia. Compds. of the present invention have the capacity of reducing the pathol. bronchoconstriction by at least 30%, preferably at least 60%, and most preferably at least 90%.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
1999:710440 Document No. 132:88550 The effects of 5-HT on cholinergic contraction in human airways in vitro. Dupont, L. J.; Pype, J. L.; Demedts, M. G.; De Leyn, P.; Denefele, G.; Verleden, G. M. (Pulmonary Pharmacology Unit, Laboratory of Pneumology and, University Hospital Gasthuisberg, Katholieke Universiteit Leuven, Belg.). European Respiratory Journal, 14(3), 642-649 (English) 1999. CODEN: ERJOEI. ISSN: 0903-1936. Publisher: Munksgaard International Publishers Ltd..

IT 608-07-1, 5-Methoxytryptamine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(5-HT facilitation formation of cholinergic contraction in human airways in vitro and 5-HT₃ and 5-HT₄ receptor mediation thereof)

RN 608-07-1 CAPLUS

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



AB Inhaled 5-hydroxytryptamine (5-HT) causes bronchoconstriction in asthmatics, and 5-HT plasma levels are elevated in **asthma**. Elec. field stimulation (EFS) of human airways, in vitro, evokes cholinergic contraction mediated by the release of acetylcholine (Ach) from postganglionic cholinergic nerves. The present study investigates whether selective 5-HT agonists and antagonists can modulate EFS-induced cholinergic contraction in human airways in vitro. Human airways, obtained from resections for bronchial carcinoma or organ transplant

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donors, were suspended under 2-g tension, between two platinum wire electrodes, in carbogenated Krebs solution at 37° and EFS was applied (1-32 Hz, 50 V, 0.5 ms, 15 s every 4 min) to elicit cholinergic contractions. 5-HT (10 μ M-0.3 mM) produced frequency- and concentration-dependent facilitation of cholinergic contraction, but did not displace the concentration/response curve to Ach. Tropisetron (1 μ M), a 5-HT3 and 5-HT4 antagonist, completely blocked the facilitatory effect of 5-HT (100 μ M), whereas both ondansetron (1 μ M) and GR 125478D (1 μ M), a selective 5-HT3 and 5-HT4 antagonist, resp., also attenuated the 5-HT-induced enhancement of cholinergic contraction. This facilitatory effect of 5-HT was partially mimicked by both selective 5-HT3 (2-methyl-5-HT) and 5-HT4 (RS 67333 and 5-methoxytryptamine) agonists. Fluoxetine (10 μ M), a 5-HT uptake inhibitor, had no effect on the 5-HT (10-100 μ M) induced potentiation of cholinergic contraction. These findings suggest that 5-HT facilitates cholinergic contraction in human airways in vitro through stimulation of both prejunctional 5-HT3 and 5-HT4 receptors. This may implicate a role of 5-HT in asthma.

=> file reg
FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7
DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L2 9 S 155106-73-3 OR 160845-95-4 OR 127595-43-1 OR 134296-40-5 OR 6
FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004
L3 4 S L2 AND ASTHMA

10/009,559

Thomas McKenzie

FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004

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'PI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
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The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

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REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC
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Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

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ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations
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The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

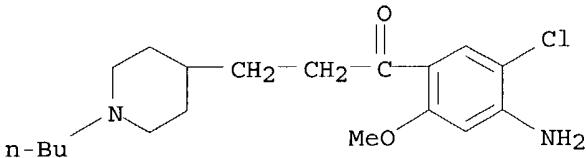
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HELP FORMATS -- To see detailed descriptions of the predefined formats.
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L2 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN **160845-95-4** REGISTRY
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MF C19 H29 Cl N2 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, IMSRESEARCH, MEDLINE, TOXCENTER, USPATFULL
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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| | AU 2002030423 | A5 | 20020521 | AU 2002-30423 | 20011108 |
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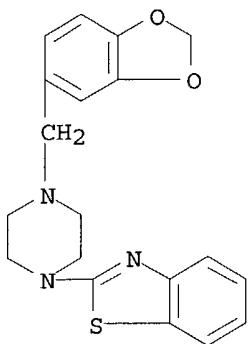
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| BR 9406724 | A 19960206 | BR 1994-6724 | 19940525 |
| EP 700383 | A1 19960313 | EP 1994-918070 | 19940525 |
| EP 700383 | B1 19980923 | | |
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| CN 1124485 | A 19960612 | CN 1994-192219 | 19940525 |
| CN 1058262 | B 20001108 | | |
| JP 08510743 | T2 19961112 | JP 1994-500836 | 19940525 |
| HU 74870 | A2 19970228 | HU 1995-3357 | 19940525 |
| IL 109776 | A1 19980310 | IL 1994-109776 | 19940525 |
| AT 171446 | E 19981015 | AT 1994-918070 | 19940525 |
| ES 2121210 | T3 19981116 | ES 1994-918070 | 19940525 |
| PL 180336 | B1 20010131 | PL 1994-311723 | 19940525 |
| RU 2170228 | C2 20010710 | RU 1995-122587 | 19940525 |
| CZ 289752 | B6 20020313 | CZ 1995-2780 | 19940525 |
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| FI 9505660 | A 19951124 | FI 1995-5660 | 19951124 |
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REFERENCE 3

REFERENCE 4

L2 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 155106-73-3 REGISTRY
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 (CA INDEX NAME)
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 SR CA
 LC STN Files: ADISINSIGHT, BIOSIS, CA, CAPLUS, CHEMCATS, IMSRESEARCH,
 MEDLINE, PHAR, PROUSDDR, USPATFULL
 DT.CA CAplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
 USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1907 TO DATE)
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| PI | WO 2002036113 | A1 | 20020510 | WO 2001-SE2372 | 20011030 |
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| AU 2002011176 | A5 | 20020515 | AU 2002-11176 | 20011030 |

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| JP 2003501462 | T2 | 20030114 | JP 2001-502833 | 20000615 | |
| US 2002173505 | A1 | 20021121 | US 2001-984329 | 20011029 | |

REFERENCE 8

REFERENCE 9

REFERENCE 10

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 9420494 | A1 | 19940915 | WO 1994-ES21 | 19940303 |
| | W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP,
KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, | | | | |

10/009, 559

Thomas McKenzie

SE, SK, UA, US, UZ, VN
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
ES 2062940 A1 19941216 ES 1993-493 19930311
ES 2062940 B1 19950616
AU 9462085 A1 19940926 AU 1994-62085 19940303
ZA 9401673 A 19941012 ZA 1994-1673 19940410

L2 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 141196-99-8 REGISTRY

CN Benzamide, 4-amino-5-chloro-N-[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl]methyl]-2-methoxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-amino-5-chloro-N-[(hexahydro-1H-pyrrolizin-1-yl)methyl]-2-methoxy-, (1S-cis)-

OTHER NAMES:

CN SC 53116

FS STEREOSEARCH

MF C16 H22 Cl N3 O2

SR CA

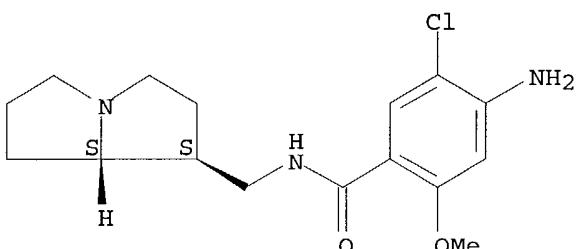
LC STN Files: ADISINSIGHT, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS,
EMBASE, MEDLINE, PHAR, PROUSDDR, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

19 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|----------|-----------------|----------|
| PI US 2004092511 | A1 | 20040513 | US 2003-702688 | 20031106 |

REFERENCE 2

REFERENCE 3

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|-------|-----------------|-------|
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10/009, 559

Thomas McKenzie

| | | | | | |
|----|--|----|----------|-----------------|----------|
| PI | WO 2002038142 | A2 | 20020516 | WO 2001-US43016 | 20011108 |
| | WO 2002038142 | A3 | 20030814 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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| AU | 2002030423 | A5 | 20020521 | AU 2002-30423 | 20011108 |
| US | 2002173511 | A1 | 20021121 | US 2001-986469 | 20011108 |
| US | 2002173549 | A1 | 20021121 | US 2001-986470 | 20011108 |

REFERENCE 4

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
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| PI WO 2002036113 | A1 | 20020510 | WO 2001-SE2372 | 20011030 | |
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KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU
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DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002012888 | A5 | 20020515 | AU 2002-12888 | 20011030 | |

REFERENCE 5

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|------------------|---|----------|-----------------|----------|--|
| PI WO 2002036114 | A1 | 20020510 | WO 2001-SE2373 | 20011030 | |
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FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU
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DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002011176 | A5 | 20020515 | AU 2002-11176 | 20011030 | |

REFERENCE 6

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|------------------|--|----------|-----------------|-----------|--|
| PI WO 2001095903 | A1 | 20011220 | WO 2000-SE2613 | 200001220 | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, | | | | |

BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1302204 A1 20030416 EP 2001-610108 20011015
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

REFERENCE 7

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|--|----------|-----------------|----------|
| PI WO 2001095902 | A1 | 20011220 | WO 2000-SE2612 | 20001220 |
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| EP 1302204 | A1 | 20030416 | EP 2001-610108 | 20011015 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |

REFERENCE 8

REFERENCE 9

REFERENCE 10

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|--|----------|-----------------|----------|
| PI WO 2000076500 | A2 | 20001221 | WO 2000-SE1267 | 20000615 |
| WO 2000076500 | A3 | 20010712 | | |
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| WO 2000064441 | A2 | 20001102 | WO 2000-SE819 | 20000428 |
| WO 2000064441 | A3 | 20010614 | | |
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| AU 2000058619 | A5 | 20010102 | AU 2000-58619 | 20000615 |
| EP 1185263 | A2 | 20020313 | EP 2000-944534 | 20000615 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | |
| JP 2003501462 | T2 | 20030114 | JP 2001-502833 | 20000615 |

L2 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 134296-40-5 REGISTRY

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-3-(1-methylethyl)-2-oxo-, monohydrochloride, endo-

OTHER NAMES:

CN BIMU 8

FS STEREOSEARCH

MF C19 H26 N4 O2 . Cl H

SR CA

LC STN Files: ADISNEWS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, MEDLINE, PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

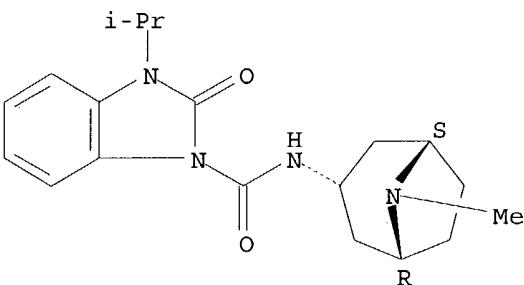
DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (433227-46-4)

Relative stereochemistry.



● HCl

51 REFERENCES IN FILE CA (1907 TO DATE)

51 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------------------|----------|
| PI | WO 2004062624 | A2 | 20040729 | WO 2004-US200400080920040113 | |
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| | US 2004147510 | A1 | 20040729 | US 2004-757981 | 20040113 |

REFERENCE 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|------------------------------|----------|
| PI | WO 2004062623 | A2 | 20040729 | WO 2004-US200400080720040113 | |
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| | US 2004147509 | A1 | 20040729 | US 2004-757364 | 20040113 |

REFERENCE 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2004092511 | A1 | 20040513 | US 2003-702688 | 20031106 |

REFERENCE 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | FR 2845604 | A1 | 20040416 | FR 2002-12614 | 20021010 |
| | WO 2004033498 | A2 | 20040422 | WO 2003-FR3002 | 20031010 |
| | WO 2004033498 | A3 | 20040722 | | |
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LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
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NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG | | | |

REFERENCE 5

REFERENCE 6

REFERENCE 7

REFERENCE 8

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|---|----------|-----------------|----------|
| PI | WO 2002038142 | A2 | 20020516 | WO 2001-US43016 | 20011108 |
| | WO 2002038142 | A3 | 20030814 | | |
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LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TZ, UA, UG, US, UZ, VN, | | | |

10/009,559

Thomas McKenzie

YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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AU 2002030423 A5 20020521 AU 2002-30423 20011108
US 2002173511 A1 20021121 US 2001-986469 20011108
US 2002173549 A1 20021121 US 2001-986470 20011108

REFERENCE 9

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2002036113 | A1 | 20020510 | WO 2001-SE2372 | 20011030 |
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FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002012888 | A5 | 20020515 | AU 2002-12888 | 20011030 |

REFERENCE 10

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2001095902 | A1 | 20011220 | WO 2000-SE2612 | 20001220 |
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HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL | | | | |
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| EP 1302204 | A1 | 20030416 | EP 2001-610108 | 20011015 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |

L2 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 127595-43-1 REGISTRY

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-2-oxo-, monohydrochloride, endo-

OTHER NAMES:

CN BIMU 1

FS STEREOSEARCH

MF C18 H24 N4 O2 . Cl H

SR CA

LC STN Files: ADISNEWS, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT,
CAPLUS, CASREACT, EMBASE, IMSDRUGNEWS, IMSRESEARCH, MEDLINE, PHAR,
PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES

10/009,559

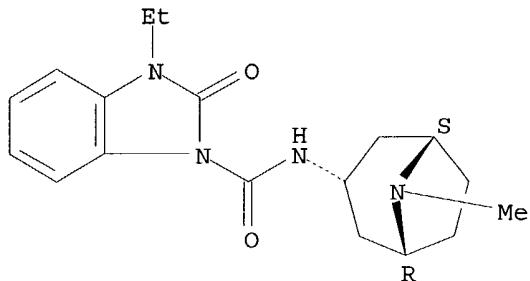
Thomas McKenzie

(Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (127595-41-9)

Relative stereochemistry.



● HCl

42 REFERENCES IN FILE CA (1907 TO DATE)
42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|----------|-----------------|----------|
| PI US 2004092511 | A1 | 20040513 | US 2003-702688 | 20031106 |

REFERENCE 2

REFERENCE 3

REFERENCE 4

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|--|----------|-----------------|----------|
| PI WO 2002036113 | A1 | 20020510 | WO 2001-SE2372 | 20011030 |
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| AU 2002012888 | A5 | 20020515 | AU 2002-12888 | 20011030 |

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| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2002036114 | A1 | 20020510 | WO 2001-SE2373 | 20011030 |
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| | AU 2002011176 | A5 | 20020515 | AU 2002-11176 | 20011030 |

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| | WO 2001045685 | A3 | 20020228 | | |
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Thomas McKenzie

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EP 1239882 A2 20020918 EP 2000-985643 20001219
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US 2003018008 A1 20030123 US 2002-168190 20020618

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| AU 2000058619 | A5 | 20010102 | AU 2000-58619 | 20000615 |
| EP 1185263 | A2 | 20020313 | EP 2000-944534 | 20000615 |
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| JP 2003501462 | T2 | 20030114 | JP 2001-502833 | 20000615 |

L2 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 112885-41-3 REGISTRY

CN Benzamide, 4-amino-5-chloro-2-ethoxy-N-[(4-[(4-fluorophenyl)methyl]-2-morpholinyl)methyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Mosapride

FS 3D CONCORD

DR 144256-27-9

MF C21 H25 Cl F N3 O3

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BEILSTEIN*, BIOBUSINESS,
BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMINFORMRX, CIN, DDFU, DRUGU,
IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PHAR, PROMT, PROUSDDR,
RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

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Thomas McKenzie

(*File contains numerically searchable property data)

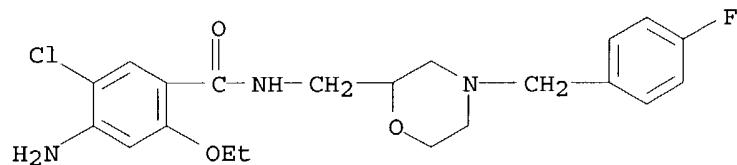
Other Sources: WHO

DT.CA CAplus document type: Book; Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

62 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

62 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|----------|-----------------|----------|
| PI US 2004092511 | A1 | 20040513 | US 2003-702688 | 20031106 |

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REFERENCE 3

REFERENCE 4

REFERENCE 5

REFERENCE 6

REFERENCE 7

REFERENCE 8

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2003106440 | A2 | 20031224 | WO 2003-HU42 | 20030612 |
| WO 2003106440 | A3 | 20040617 | | |

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Thomas McKenzie

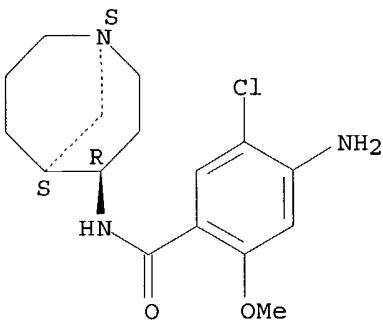
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GW, ML, MR, NE, SN, TD, TG

REFERENCE 9

REFERENCE 10

L2 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN 109872-41-5 REGISTRY
CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Azabicyclo[3.3.1]nonane, benzamide deriv.
CN Benzamide, 4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-(±)-
OTHER NAMES:
CN Benzamide, 4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-
CN BRL 24924
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MF C16 H22 Cl N3 O2 . Cl H
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SR CA
LC STN Files: ADISINSIGHT, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, IPA, MEDLINE, PHAR, PROMT, TOXCENTER, USPATFULL
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties)
CRN (112727-80-7)

Relative stereochemistry.



● HCl

43 REFERENCES IN FILE CA (1907 TO DATE)
43 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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| | AU 2002012888 | A5 | 20020515 | AU 2002-12888 | 20011030 |

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| | AU 2002011176 | A5 | 20020515 | AU 2002-11176 | 20011030 |

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Thomas McKenzie

PI WO 2001095903 A1 20011220 WO 2000-SE2613 20001220
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EP 1302204 A1 20030416 EP 2001-610108 20011015
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Thomas McKenzie

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GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
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| AU 2000058619 | A5 | 20010102 | AU 2000-58619 | 20000615 |
| EP 1185263 | A2 | 20020313 | EP 2000-944534 | 20000615 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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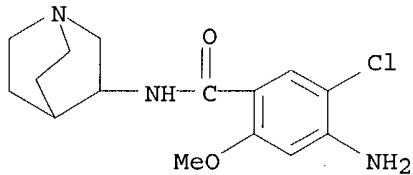
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REFERENCE 9

REFERENCE 10

L2 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN 90182-92-6 REGISTRY
CN Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN (±)-Zacopride
CN (RS)-Zacopride

CN Racemic zacopride
 CN Zacropride
 FS 3D CONCORD
 DR 131104-11-5
 MF C15 H20 Cl N3 O2
 CI COM
 LC STN Files: ADISINSIGHT, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CEN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS,
 IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, TOXCENTER, USAN,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO
 DT.CA CAplus document type: Conference; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

178 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 179 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2004062624 | A2 | 20040729 | WO 2004-US200400080920040113 | |
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| | US 2004147510 | A1 | 20040729 | US 2004-757981 | 20040113 |

REFERENCE 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2004062623 | A2 | 20040729 | WO 2004-US200400080720040113 | |

10/009,559

Thomas McKenzie

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KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN,
MW, MX, MX, MZ

US 2004147509 A1 20040729 US 2004-757364 20040113

REFERENCE 3

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI US 2004092511 | A1 | 20040513 | US 2003-702688 | 20031106 |

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REFERENCE 7

REFERENCE 8

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| PI US 2002161016 | A1 | 20021031 | US 2001-996407 | 20011121 |
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REFERENCE 9

REFERENCE 10

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2002041883 | A2 | 20020530 | WO 2001-US44065 | 20011121 |
| WO 2002041883 | A3 | 20031218 | | |
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| AU 2002028643 | A5 | 20020603 | AU 2002-28643 | 20011121 |
| EP 1389115 | A2 | 20040218 | EP 2001-989759 | 20011121 |
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |

L2 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 608-07-1 REGISTRY

10/009,559

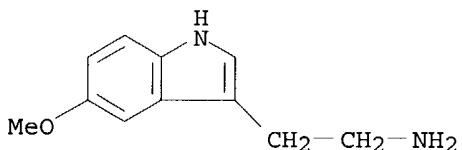
Thomas McKenzie

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OTHER CA INDEX NAMES:
CN Indole, 3-(2-aminoethyl)-5-methoxy- (6CI, 8CI)
OTHER NAMES:
CN 2-(5-Methoxyindol-3-yl)ethylamine
CN 3-(2-Aminoethyl)-5-methoxyindole
CN 5-Methoxytryptamine
CN 5MOT
CN Deacetylmelatonin
CN Methoxytryptamine
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CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS,
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IFIPAT, IFIUDB, MEDLINE, MRCK*, NAPRALERT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
CMBI (Combinatorial study); PREP (Preparation); PROC (Process); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);
RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
study); FORM (Formation, nonpreparative); PREP (Preparation); PRP
(Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1348 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1348 REFERENCES IN FILE CAPLUS (1907 TO DATE)
58 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|----------|-----------------|----------|
| PI US 2004138222 | A1 | 20040715 | US 2003-659238 | 20030910 |

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Thomas McKenzie

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| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2004058259 | A1 | 20040715 | WO 2003-GB5656 | 20031224 |
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NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
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| | RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
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REFERENCE 3

REFERENCE 4

REFERENCE 5

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | JP 2004196683 | A2 | 20040715 | JP 2002-364790 | 20021217 |

REFERENCE 6

REFERENCE 7

REFERENCE 8

REFERENCE 9

REFERENCE 10

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009, JRS
10/22/2005

Thomas McKenzie

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10 Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12 AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14 AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
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NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * STN Columbus * * * * * * * * * * * * *

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FILE 'HOME' ENTERED AT 16:56:50 ON 23 AUG 2004

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FILE 'REGISTRY' ENTERED AT 16:57:28 ON 23 AUG 2004

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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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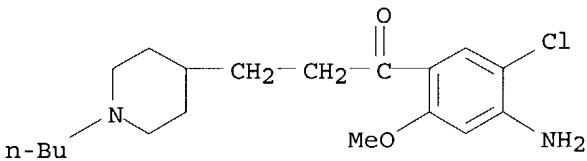
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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

IN 1-Propanone, 1-(4-amino-5-chloro-2-methoxyphenyl)-3-(1-butyl-4-piperidinyl)- (9CI)

MF C19 H29 Cl N2 O2

CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

REFERENCE 1: 136:363866 Serotonergic compositions and methods for treatment of mild cognitive impairment. Wurtman, Richard J.; Lee, Robert K. K.

(Massachusetts Institute of Technology, USA). PCT Int. Appl. WO 2002038142 A2 20020516, 34 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-US43016 20011108. PRIORITY: US 2000-PV246615 20001108.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2002038142 | A2 | 20020516 | WO 2001-US43016 | 20011108 |
| WO 2002038142 | A3 | 20030814 | | |
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| AU 2002030423 | A5 | 20020521 | AU 2002-30423 | 20011108 |
| US 2002173511 | A1 | 20021121 | US 2001-986469 | 20011108 |
| US 2002173549 | A1 | 20021121 | US 2001-986470 | 20011108 |

REFERENCE 2: 123:143641 Preparation of 1-(4-aminophenyl)- ω -amino-1-alkanones as 5-HT4 receptor ligands. Clark, Robin D.; Eglen, Richard; Jahangir, Alam; Miller, Aaron B.; Gardner, John O. (Syntex (U.S.A.) Inc., USA). PCT Int. Appl. WO 9427965 A1 19941208, 72 pp. DESIGNATED STATES: W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, UZ, VN; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1994-US5718 19940525.

PRIORITY: US 1993-67766 19930526; US 1994-228602 19940426.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| CA 2163747 | AA | 19941208 | CA 1994-2163747 | 19940525 |
| AU 9469548 | A1 | 19941220 | AU 1994-69548 | 19940525 |
| AU 680004 | B2 | 19970717 | | |
| BR 9406724 | A | 19960206 | BR 1994-6724 | 19940525 |
| EP 700383 | A1 | 19960313 | EP 1994-918070 | 19940525 |
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| CN 1124485 | A | 19960612 | CN 1994-192219 | 19940525 |
| CN 1058262 | B | 20001108 | | |
| JP 08510743 | T2 | 19961112 | JP 1994-500836 | 19940525 |
| HU 74870 | A2 | 19970228 | HU 1995-3357 | 19940525 |
| IL 109776 | A1 | 19980310 | IL 1994-109776 | 19940525 |
| AT 171446 | E | 19981015 | AT 1994-918070 | 19940525 |
| ES 2121210 | T3 | 19981116 | ES 1994-918070 | 19940525 |

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Thomas McKenzie

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| PL 180336 | B1 | 20010131 | PL 1994-311723 | 19940525 |
| RU 2170228 | C2 | 20010710 | RU 1995-122587 | 19940525 |
| CZ 289752 | B6 | 20020313 | CZ 1995-2780 | 19940525 |
| US 5763458 | A | 19980609 | US 1995-456168 | 19950531 |
| FI 9505660 | A | 19951124 | FI 1995-5660 | 19951124 |
| NO 9504761 | A | 19960126 | NO 1995-4761 | 19951124 |

REFERENCE 3: 122:160435 Synthesis and preliminary pharmacological evaluation of 2-benzylxy-substituted aryl ketones as 5-HT₄ receptor antagonists.
Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Bonhaus, D. W.; Wong, E. H. F.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2481-4 (English) 1994.
CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 4: 122:122489 Ketones related to the benzoate 5-HT₄ receptor antagonist RS-23597 are high affinity partial agonists. Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2477-80 (English) 1994. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

=> logoff.

LOGOFF. IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).

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LOGOFF? (Y)/N/HOLD:.

STN INTERNATIONAL LOGOFF AT 16:59:30 ON 23 AUG 2004